

Seat No.	
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B.Sc. (Semester - VI) (Old) (CGPA) Examination Oct/Nov-2019
Microbiology (Special Paper- XIII)
ENVIRONMENTAL MICROBIOLOGY

Day & Date: Thursday, 10-10-2019
 Time: 08:00 AM To 10:30 AM

Max. Marks: 70

- Instructions:** 1) All questions are compulsory.
 2) Figures to the right indicate full marks.
 3) Draw well diagram wherever necessary.

Q.1 Fill in the blanks by choosing correct alternatives given below. 14

- 1) _____ play an importance role in uranium leaching.
 - a) *E.coli*
 - b) *Xanthomonas campestris*
 - c) *Bacillus polymyxa*
 - d) *Thiobacillus Ferrooxidans*
- 2) Marine bacteria grow best at salt concentration of _____%.
 - a) 2.5 to 4
 - b) 1.5 to 2
 - c) 0.1 to 1
 - d) 0.5 to 2
- 3) Ozone layer is depleted due to _____.
 - a) Hydrocarbons
 - b) PAN
 - c) Radioactive waste
 - d) Chlorofluoro carbon
- 4) Zoogloal film formation is the characteristics feature of _____.
 - a) Oxidation ponds
 - b) Trickling filter
 - c) Septic tank
 - d) Aerated lagoons
- 5) Incubation time for B.O.D test is _____ days.
 - a) 5
 - b) 2
 - c) 1
 - d) 3
- 6) _____ is the main cause of Eutrophication.
 - a) Reduction in DO
 - b) Algal mass
 - c) Pollutants
 - d) Animal population
- 7) In safe drinking water coliform count should not exceed _____.
 - a) 100
 - b) 1
 - c) 10
 - d) 500
- 8) _____ gas is responsible for acid rain.
 - a) H₂
 - b) CO₂
 - c) SO₂
 - d) CH₄
- 9) _____ is a photochemical oxidant.
 - a) PAN
 - b) PAH
 - c) SO₃
 - d) CO₂
- 10) Oil and grease are common in waste from _____ industry.
 - a) Dairy
 - b) Textile
 - c) Paper
 - d) Sugar
- 11) Study of animal in germ free environment is known as _____.
 - a) Biology
 - b) Gnotobiology
 - c) Geology
 - d) Geomicrobiology

